In the Claims:

Please amend the claims as shown in the following listing of claims, which will replace all prior versions and listings of claims in the application:

1.-37. (Canceled)

- 38. (New) A hyperimmune serum-reactive antigen comprising an amino acid sequence from any of SEQ ID NOs: 218-434, 449-462, or 475-486 or fragments thereof.
- 39. (New) The hyperimmune serum-reactive antigen or fragment of claim 38, further defined as a peptide comprising an amino acid sequence described in: the "predicted immunogenic aa" and/or "location of identified immunogenic region" column of Table 1A and/or Table 5; the "Identical region" column of Table 1B; the "aa from" to "aa to" columns of any of Tables 2, 4, 6, and 7.
- 40. (New) The hyperimmune serum reactive antigen or fragment of claim 38, further defined as comprising an amino acid sequence of amino acids: 4-20, 35-44, 65-70, 73-87, 92-98, 112-137, 152-161, 177-186, 193-200, 206-213, 229-255, 282-294, 308-313, 320-326, 349-355, 373-384, 388-406, 420-425 and 115-199 of SEQ ID NO:218; 5-24, 35-41, 44-70, 73-89, 103-109, 127-143, 155-161, 185-190, 192-207, 212-219, 246-262, 304-336, 372-382, 384-393, 398-407, 412-418, 438-444, 1-75, 76-161 and 164-239 of SEQ ID NO:219; 4-10, 16-58, 60-71, 77-92, 100-126, 132-146, 149-164, 166-172, 190-209, 214-220, 223-229, 241-256, 297-312, 314-319, 337-343, 351-359, 378-387, 398-418, 421-428, 430-437, 440-448, 462-471, 510-519, 525-536, 552-559, 561-568, 573-582, 596-602, 608-630, 637-649, 651-665, 681-702, 714-732, 739-745, 757-778, 790-805, 807-815, 821-829, 836-842, 846-873, 880-903, 908-914, 916-923, 931-940, 943-948, 956-970, 975-986, 996-1015, 1031-1040, 1051-1069, 1072-1095, 1114-1119, 1130-1148, 1150-1157, 1169-1176, 1229-1238 and 802-812 of SEQ ID NO:220; 5-12, 14-26, 35-47, 52-67, 72-78, 83-98, 121-141, 152-159, 163-183, 186-207, 209-257, 264-277, 282-299, 301-309, 312-318, 324-339, 358-368, 372-378, 387-397, 425-431 and 46-291 of SEQ ID NO:221; 29-38, 44-64, 70-76, 78-87, 94-100, 102-112, 119-134, 140-149, 163-173, 178-186, 188-194, 207-234, 247-262, 269-290 and 73-92 of SEQ ID NO:222; 10-28, 36-63, 77-87, 103-119, 127-136, 141-169, 171-183, 195-200, 207-232, 236-246, 251-265, 268-283, 287-297, 314-322, 335-343, 354-363, 384-390, 405-411, 419-436, 443-455, 467-473, 480-513, 518-529, 550-557, 565-585, 602-608, 616-625, 632-660, 665-677, 685-701, 726-736, 738-747, 752-761, 785-796, 801-813, 838-853, 866-871

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and 757-774 of SEQ ID NO:223; 31-38, 61-66, 74-81, 90-115, 123-145, 154-167, 169-179, 182-193, 200-206, 238-244, 267-272 and 235-251 of SEQ ID NO:224; 19-25, 38-54, 56-64, 66-72, 74-92, 94-100, 116-129, 143-149, 156-183, 204-232, 253-266, 269-275, 294-307 and 241-313 of SEQ ID NO:225; 5-34, 50-56, 60-65, 74-85, 89-97, 108-119, 159-165, 181-199, 209-225, 230-240, 245-251, 257-262, 274-282, 300-305 and 64-75 of SEQ ID NO:226; 5-13, 16-21, 27-42, 45-52, 58-66, 74-87, 108-114, 119-131 and 39-51 of SEQ ID NO:227; 6-23, 46-54, 59-65, 78-84, 100-120, 128-133, 140-146, 159-165, 171-183, 190-204, 224-232, 240-248, 250-259, 274-280, 288-296, 306-315 and 267-274 of SEQ ID NO:228; 5-12, 15-24, 26-36, 42-65, 68-80, 82-104, 111-116, 125-144, 159-167, 184-189, 209-218, 235-243, 254-265, 269-283, 287-300, 306-316, 318-336, 338-352, 374-392 and 162-174 of SEQ ID NO:229; 30-42, 45-54 and 25-37 of SEQ ID NO:230; 10-30, 53-59, 86-95, 116-130, 132-147, 169-189, 195-201, 212-221, 247-256, 258-265, 278-283, 291-298, 310-316, 329-339, 341-352, 360-367, 388-396, 398-411, 416-432, 443-452, 460-466, 506-512, 515-521, 542-548 and 419-431 of SEQ ID NO:231; 4-27, 30-53, 60-67, 70-90, 92-151, 159-185, 189-195, 198-210, 215-239 and 173-189 of SEQ ID NO:232; 4-26, 41-54, 71-78, 116-127, 140-149, 151-158, 161-175, 190-196, 201-208, 220-226, 240-252, 266-281, 298-305, 308-318, 321-329, 344-353, 372-378, 384-405, 418-426, 429-442, 457-463, 494-505, 514-522 and 174-188 of SEQ ID NO:233; 17-25, 27-39, 61-67, 81-89, 99-110, 120-131, 133-139, 147-161, 167-172, 179-185, 192-198, 203-213, 226-238, 243-258, 261-267, 284-290, 296-307, 311-328, 340-352, 356-371 and 239-256 of SEQ ID NO:234; 8-30, 40-49, 67-80, 114-123, 126-142, 152-162, 188-194 and 57-70 of SEQ ID NO:235; 4-23, 28-34, 36-47, 50-61, 76-81, 89-94, 96-104, 112-119, 126-146, 155-181, 195-200, 208-214, 220-229, 244-260, 263-276, 282-288, 292-300, 317-323, 336-351, 353-359, 363-375, 382-399, 415-432, 444-455, 458-471, 476-481, 484-492, 499-517, 522-529, 535-541, 543-568, 572-584, 586-600, 607-617, 626-637, 656-675 and 282-297 of SEQ ID NO:236; 6-24, 30-35, 38-45, 63-91, 134-140, 146-160, 167-188, 214-220, 226-234, 244-250, 260-270, 286-301, 316-329, 340-371, 429-446, 448-459, 474-481, 485-491, 512-526, 537-544, 550-565, 573-583, 596-613, 621-630, 652-658 and 87-97 of SEQ ID NO:237; 8-20, 26-48, 56-67, 76-86, 94-109, 115-121, 123-129, 143-160, 178-186, 191-198, 201-208, 221-236, 238-244, 260-268 and 237-247 of SEQ ID NO:238; 4-40, 42-57, 73-87, 98-117, 126-135, 150-156, 166-174, 196-217, 231-236, 248-258, 276-284, 293-301, 307-313, 339-347, 359-365, 375-387, 395-402, 428-440, 445-456, 485-490, 497-505, 535-541, 547-555, 610-625, 648-656, 665-671 and 448-528 of SEQ ID NO:239; 10-18, 39-45, 51-61, 80-96, 98-106, 110-115, 158-172, 174-183, 191-200, 220-237, 249-255, 274-289, 308-324, 331-341, 372-381, 384-397, 405-414 and 322-338 of SEQ ID NO:240; 30-36, 38-56, 85-

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292-305, 323-333, 347-353, 364-370, 385-394, 399-406, 423-433, 441-451, 462-474, 477-487 and 116-124 of SEQ ID NO:270; 7-16, 18-30, 32-49, 53-61, 63-85, 95-101, 105-115, 119-134, 143-150, 159-178, 185-202, 212-229, 236-250, 254-265, 268-294 and 63-72 of SEQ ID NO:271; 4-12, 19-47, 73-81, 97-103, 153-169, 188-198, 207-213, 217-223, 236-242, 255-265, 270-278, 298-305, 309-317, 335-347, 354-363, 373-394, 419-424, 442-465, 486-492, 500-507, 542-549, 551-558, 560-572, 580-589, 607-614, 617-623, 647-653, 666-676, 694-704, 706-714, 748-754, 765-772, 786-792, 795-806 and 358-370 of SEO ID NO:272: 18-28, 30-38, 40-46, 49-55, 69-78, 82-98, 104-134, 147-153, 180-190, 196-202, 218-236, 244-261, 266-273, 275-286, 290-295, 301-314, 378-387, 390-395, 427-434 and 290-305 of SEQ ID NO:273; 4-13, 20-31, 39-51, 54-61, 69-84, 87-105, 117-124 and 108-125 of SEQ ID NO:274: 24-34, 43-54, 56-66, 68-79 and 50-69 of SEQ ID NO:275; 5-43, 71-77, 102-131, 141-148, 150-156, 159-186, 191-207, 209-234, 255-268, 280-286, 293-299, 317-323, 350-357, 363-372, 391-397, 406-418, 428-435, 455-465, 484-497, 499-505, 525-531, 575-582, 593-607, 621-633, 638-649, 655-673, 684-698, 711-725, 736-741, 743-752, 759-769, 781-793, 813-831, 843-853, 894-905, 908-916, 929-946, 953-963, 970-978, 1001-1007, 1011-1033, 165-178 and 818-974 of SEQ ID NO:276; 16-44, 63-86, 98-108, 185-191, 222-237, 261-274, 282-294, 335-345, 349-362, 374-384, 409-420, 424-430, 440-447, 453-460, 465-473, 475-504, 522-534, 538-551, 554-560, 567-582, 598-607, 611-619, 627-640, 643-653, 655-661, 669-680, 684-690, 701-707, 715-731, 744-750, 756-763, 768-804, 829-837, 845-853, 855-879, 884-890, 910-928, 77-90, 144-212, 279-355, 434-536, 782-810 and 875-902 of SEQ ID NO:277; 4-22, 29-41, 45-51, 53-66, 70-77, 86-95, 98-104, 106-124, 129-135, 142-151, 153-161, 169-176, 228-251, 284-299, 331-337, 339-370, 380-387, 393-398, 406-411, 423-433, 440-452, 461-469, 488-498, 501-516, 523-530, 532-559, 562-567, 570-602, 612-628, 630-645, 649-659, 666-672, 677-696, 714-723, 727-747 and 212-227 of SEQ ID NO:278; 4-9, 17-31, 35-41, 56-61, 66-75, 81-87, 90-124, 133-138, 149-163, 173-192, 213-219, 221-262, 265-275, 277-282, 292-298, 301-307, 333-346, 353-363, 371-378, 419-430, 435-448, 456-469, 551-570, 583-599, 603-612 and 275-291 of SEQ ID NO:279; 28-34, 53-58, 72-81, 100-128, 145-154, 159-168, 172-189, 217-225, 227-249, 256-263, 299-309, 322-330, 361-379, 381-388, 392-401, 404-417, 425-436, 440-446, 451-464, 469-487, 502-511, 543-551, 559-564, 595-601, 606-612, 615-626, 633-642, 644-650, 664-670, 674-684, 692-701, 715-723, 726-734, 749-756, 763-771, 781-787, 810-843, 860-869, 882-889, 907-917, 931-936, 941-948, 951-958, 964-971, 976-993, 1039-1049, 1051-1065, 1092-1121, 1126-1132, 1145-1151, 1158-1173, 1181-1192, 1194-1208, 1218-1223, 1229-1243, 1249-1254, 1265-1279, 1287-1297, 1303-1320, 1334-1341, 1343-1358, 1372-1382, 1406-1417, 1419-

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87-92, 113-119, 123-137, 147-153, 173-181, 212-233 and 1-124 of SEQ ID NO:482; 13-34, 62-69, 78-83, 86-91, 98-104, 107-115, 146-159, 179-188, 195-205, 209-221, 226-233, 239-253, 276-282, 284-294, 297-308, 331-354, 375-382, 388-399, 421-433, 449-458, 464-469, 472-491, 508-513, 525-531, 534-550, 575-593, 601-618, 629-635, 654-661, 666-680, 706-721, 723-740, 771-805, 810-830, 845-851 and 1-84 of SEQ ID NO:483; 4-32, 45-64; 73-83, 86-92, 100-111, 125-147, 157-163, 170-175, 177-188, 226-232, 245-252, 258-274, 320-335, 348-359 and 1-71 of SEQ ID NO:484; 13-40, 43-71, 76-83, 87-101, 109-119, 125-156, 162-175, 182-219, 226-232, 240-262, 270-287, 306-318, 326-342, 344-408, 414-444, 449-456 and 1-51 of SEO ID NO:485; 4-16, 18-34, 45-54, 99-108, 134-140, 203-212, 241-257, 266-274, 279-291, 308-315, 330-336, 355-370, 374-382, 402-410, 428-455, 466-472, 474-480, 531-554, 560-566, 572-580, 597-618, 632-660, 664-674, 676-685, 691-705, 708-735, 750-768, 1-87 and 342-480 of SEQ ID NO:486; 115-132 and 1-26 of SEQ ID NO:475; 33-55 of SEQ ID NO:476; 1-25 of SEQ ID NO:478; 37-61 of SEQ ID NO:479; 1-24 of SEQ ID NO:480; 1-23 of SEQ ID NO:481; 46-60 of SEQ ID NO:482; 1-28, 23-50 and 45-71 of SEQ ID NO:483; 1-22 and 17-38 of SEQ ID NO:484; 1-22 and 17-38 of SEQ ID NO:485; 1-27, 22-47 and 422-447 of SEQ ID NO:486; 115-132 and 1-47 of SEQ ID NO:475; 1-55 of SEQ ID NO:476; 22-85 of SEQ ID NO:477; 307-320 and 1-44 of SEQ ID NO:478; 15-76 and 40-92 of SEQ ID NO:479; 1-59, 213-269 and 403-445 of SEQ ID NO:480; 1-56 and 85-105 of SEQ ID NO:481; 37-121 of SEQ ID NO:482; 1-71 of SEQ ID NO:483; 1-38 of SEQ ID NO:484; 1-38 of SEQ ID NO:485; 1-47 of SEQ ID NO:486.

- 41. (New) The hyperimmune serum-reactive antigen or fragment of claim 38, comprising at least 6 contiguous amino acids of any of SEQ ID NOs: 218-434, 449-462, or 475-486.
- 42. (New) The hyperimmune serum-reactive antigen or fragment of claim 38, comprising at least 8 contiguous amino acids of any of SEQ ID NOs: 218-434, 449-462, or 475-486.
- 43. (New) The hyperimmune serum-reactive antigen or fragment of claim 38, comprising at least 10 contiguous amino acids of any of SEQ ID NOs: 218-434, 449-462, or 475-486.
- 44. (New) The hyperimmune serum-reactive antigen or fragment of claim 38, further defined as directed against S. agalactiae.
- 45. (New) A pharmaceutical composition comprising a hyperimmune serum-reactive antigen or fragment of claim 38.

- 46. (New) The pharmaceutical composition of claim 45, wherein the hyperimmune serum-reactive antigen or fragment is directed against *S. agalactiae*.
- 47. (New) The pharmaceutical composition of claim 45, further defined as comprising at least two different hyperimmune serum-reactive antigens and/or fragments.
- 48. (New) The pharmaceutical composition of claim 47, wherein the at least two different hyperimmune serum-reactive antigens and/or fragments are both directed against *S. agalactiae*.
- 49. (New) The pharmaceutical composition of claim 45, further comprising an immunostimulatory substance.
- 50. (New) The pharmaceutical composition of claim 49, wherein the immunostimulatory substance is a polycationic polymer, an immunostimulatory deoxynucleotide (ODN), a peptide containing at least two LysLeuLys motifs, a neuroactive compound, alum, or a Freund's complete or incomplete adjuvant.
- 51. (New) The pharmaceutical composition of claim 50, wherein the polycationic polymer is a polycationic peptide.
- 52. (New) The pharmaceutical composition of claim 50, wherein the neuroactive compound is human growth hormone.
- 53. (New) The pharmaceutical composition of claim 45, further defined as a vaccine.
- 54. (New) The pharmaceutical composition of claim 53, further defined as a vaccine for treatment and/or prevention of *S. agalactiae* infection.
- obtaining a pharmaceutical composition of claim 45; and administering the pharmaceutical composition to a subject; wherein the subject is vaccinated.
- 56. (New) The method of claim 55, wherein the subject is a human.
- 57. (New) The method of claim 55, further defined as a method of treating and/or preventing S. agalactiae infection in the subject.

- 58. (New) The method of claim 55, wherein the hyperimmune serum-reactive antigen or fragment is directed against S. agalactiae.
- 59. (New) The method of claim 55, wherein the pharmaceutical composition comprises at least two different hyperimmune serum-reactive antigens or fragments thereof.
- 60. (New) The method of claim 59, wherein the at least two different hyperimmune serum-reactive antigens or fragments thereof are both directed against *S. agalactiae*.